

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,837,636 B2
DATED : January 4, 2005
INVENTOR(S) : Sawyer et al.

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 11,

Line 61, "color" should be -- motor --.

Column 12,

Line 64, "remaining" should be -- remains --.

Column 13,

Line 18, after "Imager" -- having -- should be inserted.

Line 12, "remaining" should be -- remains --.

Column 14,

Line 5, "remaining" should be -- remains --.

Line 24, after claim 19, claims 47-55 should be inserted as follows:

47. An imager for arranging directly over a production path, comprising:
a cartridge assembly having a print cartridge with a print head that moves only on an axis perpendicular to the plane of the production path for allowing the print head to be purged, cleaned, parked, or a combination thereof, while the print head remains directly over the production path; and

a service station assembly having a waste ink receptacle that horizontally moves in relation to an axis parallel to the plane of the production path for purging, cleaning or parking the print head, or a combination thereof, while the print head remains directly over the production path.

48. An imager for arranging directly over a production path, comprising:
a cartridge assembly having a print cartridge with a print head that vertically moves only on an axis perpendicular to the plane of the production path for allowing the print head to be purged, cleaned, parked, or a combination thereof, while the print head remains directly over the production path; and

a service station assembly having a waste ink receptacle that horizontally moves in relation to an axis parallel to the plane of the production path for purging, cleaning or parking the print head, or a combination thereof, while the print head remains directly over the production path, the waste ink receptacle being a snap-in disposable assembly consisting of a reservoir for waste ink, soft rubber capping seals and soft rubber pen wipers.

49. An imager according to claim 48, wherein the reservoir contains porous foam for absorption and dispersion of waste ink.

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Column 14 (cont'd).

50. An imager according to claim 47, wherein the waste ink receptacle assembly slides within the service station assembly by way of software commanded motors, the service station assembly performing functions of pen wiping and cleaning, proper nozzle firing verification and capping of pens when not in use.

51. An imager for arranging directly over a production path, comprising:
a cartridge assembly having a print cartridge with a print head that vertically moves only on an axis perpendicular to the plane of the production path for allowing the print head to be purged, cleaned, parked, or a combination thereof, while the print head remains directly over the production path, the cartridge assembly having a cartridge lift motor for lifting the cartridge assembly a precise distance at pre-determined intervals or upon command in relation to the service station assembly ; and

a service station assembly having a waste ink receptacle that horizontally moves in relation to an axis parallel to the plane of the production path for purging, cleaning or parking the print head, or a combination thereof, while the print head remains directly over the production path, the waste ink receptacle assembly sliding within the service station assembly by way of software commanded motors, the service station assembly performing functions of pen wiping and cleaning, proper nozzle firing verification and capping of pens when not in use.

52. An imager according to claim 51, wherein the cartridge assembly includes a wiper/ink receptacle driver motor for driving the waste ink receptacle under a nose of the print head thereby wiping one or more pen nozzles to remove excess ink residue.

53. An imager according to claim 52, wherein the wiper/ink receptacle driver motor retracts the waste ink receptacle to allow resumed printing, or the cartridge assembly lift motor lowers the cartridge assembly to allow the soft rubber capping seals to cap pens to prevent drying of the one or more pen nozzles until next use.

54. An imager according to claim 1, characterized in that the production path has a conveyor belt having products to be printed moving thereon and underneath the print head.

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Column 14 (cont'd).

55. An imager according to claim 1, characterized in that the production path is a continuous web to be printed moving underneath the print head.

Signed and Sealed this

Twenty-seventh Day of December, 2005

A handwritten signature in black ink, reading "Jon W. Dudas", is written over a rectangular area with a light gray, textured background.

JON W. DUDAS
Director of the United States Patent and Trademark Office